

SECTION 3

Reinforcement

Orbits and Effects

Directions: Circle the term in the puzzle that fits each clue. The terms read across or down. Then write the term on the line.

M S P H E R E T R L E S
R E V O L U T I O N L D
E Q U A T O R L T L O A
S U M M E R Z T A I S Y
E I A N E R W P T E I Y
A N X L E E L L I P S E
S O L S T I C E O M O A
A X I S M I W I N T E R

- _____ 1. occurs when the Sun is directly over the equator
- _____ 2. earth's spinning that causes night and day
- _____ 3. solstice that occurs in December in the southern hemisphere
- _____ 4. round, three-dimensional object that describes the shape of the Earth
- _____ 5. a complete orbit made by Earth around the Sun
- _____ 6. imaginary line around which Earth spins
- _____ 7. property of Earth that causes seasons
- _____ 8. shape of Earth's orbit
- _____ 9. solstice that occurs in December in the northern hemisphere
- _____ 10. time it takes Earth to rotate on its axis
- _____ 11. time it takes Earth to revolve around the Sun
- _____ 12. two times during the year, the Sun is directly over this imaginary line that circles Earth halfway between the poles
- _____ 13. occurs when the Sun reaches its greatest distance north or south of the equator

NAME

DATE

PERIOD

STUDY GUIDE

● Planet Earth

Fill in the blanks in the statements.

1. The North and South Poles are located at the ends of Earth's _____, the imaginary line around which Earth spins.
2. The _____ of Earth is almost a circle.
3. One complete rotation of Earth takes about _____.
4. Earth's _____ is the spinning on its axis that causes day and night.
5. Around January 3, Earth is _____ to the sun.
6. A(n) _____ is the path of Earth's orbit in the shape of an elongated closed curve.
7. Earth's yearly orbit around the sun is its _____.
8. Earth is _____ from the sun around July 4.
9. One complete orbit of Earth takes about _____.
10. Earth's tilted axis causes _____.

Answer the following questions on the lines provided using complete sentences.

11. What is the sun directly over at the equinoxes? _____

12. Which season begins in the northern hemisphere when the sun reaches its greatest distance south of the equator? _____

13. On what date does the southern hemisphere begin spring? _____

14. At the March equinox, what season begins in the northern hemisphere? _____

15. At the summer solstice in the northern hemisphere, at what point is the sun? _____

